

WHAT IS CLAIMED IS:

1. A mouse or progenies thereof in which genome is modified so as to have decreased or deleted activity of an enzyme relating to modification of a sugar chain in which the 1-position of fucose is bound to the 6-position of *N*-acetylglucosamine in the reducing end through α -bond in a complex *N*-glycoside-linked complex sugar chain.

2. The mouse or progenies thereof according to claim 1, wherein a genomic gene of the enzyme relating to modification of a sugar chain in which the 1-position of fucose is bound to the 6-position of *N*-acetylglucosamine in the reducing end through α -bond in a complex *N*-glycoside-linked complex sugar chain is knocked out.

3. The mouse or progenies thereof according to claim 1, wherein all alleles on the genome of the enzyme relating to modification of a sugar chain in which the 1-position of fucose is bound to the 6-position of *N*-acetylglucosamine in the reducing end through α -bond in a complex *N*-glycoside-linked complex sugar chain are knocked out.

4. The mouse or progenies thereof according to claim 1, wherein the enzyme relating to modification of a sugar chain in which the 1-position of fucose is bound to the 6-position of *N*-acetylglucosamine in the reducing end through α -bond in a complex *N*-glycoside-linked complex sugar chain is an α 1,6-fucosyltransferase.

5. The mouse or progenies thereof according to claim 4, wherein the α 1,6-fucosyltransferase is a protein encoded by a DNA selected from the following (a) and (b):

(a) a DNA which comprises the nucleotide sequence represented by SEQ ID NO:2; and

(b) a DNA which hybridizes with the DNA comprising the nucleotide sequence represented by SEQ ID NO:2 under stringent conditions and encodes a protein having α 1,6-fucosyltransferase activity.

6. The mouse or progenies thereof according to claim 4, wherein the α 1,6-fucosyltransferase is a protein selected from the group consisting of the following (a), (b) and (c):

(a) a protein which comprises the amino acid sequence represented by SEQ ID NO:1;

(b) a protein which comprises an amino acid sequence in which at least one amino acid in the amino acid sequence represented by SEQ ID NO:1 is deleted, substituted, inserted and/or added, and has α 1,6-fucosyltransferase activity; and

(c) a protein which comprises an amino acid sequence having 80% or more of homology with the amino acid sequence represented by SEQ ID NO:1, and has α 1,6-fucosyltransferase activity.